

बिरसा मुंडा ट्रायबल युनिवर्सिटी Birsa Munda Tribal University

राजपिपला, जि॰ नर्मदा Rajpipla, Dist. Narmda Established by Tribal Development Department, Govt. of Gujarat

School of Science B.Sc. (Chemistry) Programme SUBJECT Code & Name: - BS04VACHE1 ENVIRONMENTAL STUDIES

Teaching and Evaluation Scheme:

Teaching Scheme				Examination Scheme Component Weightage (%)			
Credits			ССЕ		SEE		
L	T	P	Total	ТН	PWE	TH	PWE
2	-	-	2	50	00	50	00

Programme Name	B.Sc. (Chemistry)		
Semester	IV		
Course Code	BS04VACHE1		
Course Title	Environmental Studies		
Course Content Type (Th./Pr.)	Theory		
Course Credit	2		
Sessions+ Lab. Per Week	2		
Total Teaching/Lab. Hours	30 Hours		
* 2 Laboratory = 1 Session			

Learning Objectives

- 1. The primary objectives of environmental studies are to foster awareness, impart knowledge, cultivate concern, and encourage action towards environmental protection and sustainable resource use.
- 2. Aim to equip individuals with the knowledge, skills, and attitudes needed to understand and address environmental issues.
- 3. Understanding how ecosystem, climate, and natural resources function.
- 4. Applying the scientific method to investigate environmental issues

Prerequisites (if any)

Learning Outcomes

On the Completion of this course, students will able to:

Students will be able to:

- 1. Demonstrate mastery of core ecological and physical science concepts and methods as they pertain to environmental problem-solving.
- 2. Demonstrate mastery of core social science concepts and methods as they pertain to environmental problem-solving.





90

बिरसा मुंडा ट्रायबल युनिवर्सिटी Birsa Munda Tribal University

राजपिपला, जि॰ नर्मदा Rajpipla, Dist. Narmda Established by Tribal Development Department, Govt. of Gujarat

School of Science B.Sc. (Chemistry) Progra

nature of enthesize concept leadership skills TEACHING HOURS
leadership skills
leadership skills
leadership skills
TEACHING
TEACHING
15
15
8 1921 -
Physical Sector
15



बिरसा मुंडा ट्रायबल युनिवर्सिटी Birsa Munda Tribal University

राजपिपला, जि॰ नर्मदा Rajpipla, Dist. Narmda Established by Tribal Development Department, Govt. of Gujarat

School of Science B.Sc. (Chemistry) Programme

Reference Books

- 1. Pathfinder's Fundamentals of Ecology and Environment.
- 2. Environmental Studies: R. Rajagopalan, Oxford University Press
- 3. Environmental Pollution: Causes, Effects & Control by K.C Agrawal
- 4. Environmental Science by Richard T Wright & Bernard J Nebel
- 5. Environmental Science by Daniel B Botkin& Edward A Keller
- 6. Environmental Engineering & Management by Suresh K Dameja

Web Resources

Required Software(s) (if any)

L:: Lecture, T:: Tutorial , P:: Practical

CCE:: Continuous and Comprehensive Evaluation

(CCE Theory includes Mid Semester Examination, Assignment, MCQ quizzes, Seminar, Reflective notes, class participation, case analysis and presentation, slip tests (announced/ surprised), attendance etc. or any combination of these)

PWE:: Practical Work Examination

(PWE includes Laboratory practical work, project work, viva simulation exercise work etc.) **SEE::** Semester End Evaluation

